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**Amendments to the Title**

Please amend the title to read as follows:

COMBINATORIAL TRANSCRIPTION CONTROL FOR PROGRAMMED GENETIC  
RESPONSE

**Amendments to the Specification**

Paragraph [0050] as published is amended to read as follows:

Figure ~~relative~~ 3b provides the resulting expression level plot of relative RNAP binding probability  $dP$  for typical cellular TF concentrations ( $\bar{n}_A, \bar{n}_B = 3500, q_0 = 0.027, \omega = 20$ , which may be considered as the input-output characteristic of the system), represented by: